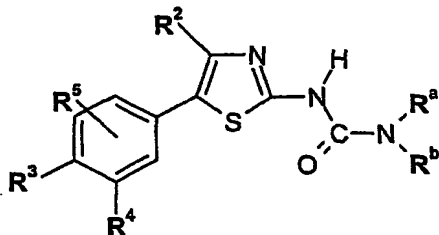


CLAIMS

1. A compound of formula I



in free or salt form, wherein

R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by pyridyl, R³ is R⁶, and R⁴ is fluoro or C₁-C₈-haloalkyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by hydroxy or nitrile, R³ is R⁶, and R⁴ is hydrogen or C₁-C₈-haloalkyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by nitrile, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by hydroxy, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by di(C₁-C₈-alkyl)amino, R³ is R⁶, and R⁴ is C₁-C₈-haloalkyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by -O-C₁-C₈-alkyl-OH, R³ is R⁶, and R⁴ is fluoro or C₁-C₈-haloalkyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is -CH(CH₃)-CH₂-OH, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by pyrrolidinyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is C₁-C₈-haloalkyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by oxazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is nitrile or imidazolyl,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by imidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by benzoimidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by isoxazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by pyrrolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by pyrazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by -CO-O-CH₃, -CO-O-butyl, -CO-di(C₁-C₈-alkyl)amino, -CO-NH₂, -NH-CO-C₁-C₈-alkyl, -SO₂-C₁-C₈-alkyl, -CO-NH-R^c where R^c is naphthyl, or by -CO-NH-C₁-C₈-alkyl optionally substituted by di(C₁-C₈-alkyl)-amino, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is -CH(CH₃)-CO-NH-C₁-C₈-alkyl or -CH(CH₃)-CO-O-C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by -CH(OH)-CH₂-OH, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by C₁-C₈-alkoxy, or by -S-C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by a 5- or 6-membered heterocyclic ring having three or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₈-alkyl,

-C₁-C₈-alkyl-di(C₁-C₈-alkyl)amino, or by C₃-C₈-cycloalkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by oxazolyl substituted by C₃-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by imidazolyl substituted by C₁-C₈-alkyl optionally substituted by hydroxy or C₁-C₈-alkoxy, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is C₁-C₈-alkyl substituted by -CO-Het where Het is a 5- or 6-membered heterocyclic ring having two or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen or C₁-C₄-alkyl, R^b is an aza-bicyclo[3.2.1]oct-3-yl ring optionally substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an azetidine ring substituted by C₁-C₈-alkoxycarbonyl or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form a pyrrolidine ring substituted by -CO-NH₂ or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an imidazo-pyridine ring, R³ is R⁶, and R⁴ is R⁷;

R² is C₁-C₄-alkyl or halogen;

R⁵ is hydrogen, halogen or C₁-C₈-alkyl;

R⁶ is halo, -SO₂-CH₃, -SO₂-CF₃, carboxy, -CO-NH₂, -CO-di(C₁-C₈-alkyl)amino, or a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by halo, cyano, oxo, hydroxy, carboxy, nitro, C₃-C₈-cycloalkyl, C₁-C₈-alkylcarbonyl, C₁-C₈-alkoxy

optionally substituted by aminocarbonyl, or C₁-C₈-alkyl optionally substituted by hydroxy, C₁-C₈-alkoxy, C₁-C₈-alkylamino or di(C₁-C₈-alkyl)amino;

R⁷ is hydrogen, halo, -SO₂-CH₃, nitrile, C₁-C₈-haloalkyl, imidazolyl, C₁-C₈-alkyl, -NR⁸R⁹, or -SO₂-NR⁸R⁹; and

R⁸ and R⁹ are independently hydrogen, amino, C₁-C₈-alkylamino, di(C₁-C₈-alkyl)amino, or C₁-C₈-alkyl optionally substituted by hydroxy,
or R⁸ and R⁹ together form a 5- to 10-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by halo, cyano, oxo, hydroxy, carboxy, nitro, C₃-C₈-cycloalkyl, C₁-C₈-alkylcarbonyl, C₁-C₈-alkoxy optionally substituted by aminocarbonyl, or C₁-C₈-alkyl optionally substituted by hydroxy, C₁-C₈-alkoxy, C₁-C₈-alkylamino or di(C₁-C₈-alkyl)amino.

2. A compound according to claim 1, wherein

R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by pyridyl, R³ is R⁶, and R⁴ is fluoro or C₁-C₈-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by hydroxy or nitrile, R³ is R⁶, and R⁴ is hydrogen or C₁-C₈-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by nitrile, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by hydroxy, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by di(C₁-C₈-alkyl)amino, R³ is R⁶, and R⁴ is C₁-C₈-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by -O-C₁-C₈-alkyl-OH, R³ is R⁶, and R⁴ is fluoro or C₁-C₈-haloalkyl,

or R^a is hydrogen, R^b is -CH(CH₃)-CH₂-OH, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by pyrrolidinyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is C₁-C₈-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by oxazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is nitrile or imidazolyl,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by imidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by benzoimidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by isoxazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by pyrrolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by pyrazolyl substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by -CO-O-CH₃, -CO-O-butyl, -CO-di(C₁-C₈-alkyl)amino, -CO-NH₂, -NH-CO-C₁-C₈-alkyl, -SO₂-C₁-C₈-alkyl, -CO-NH-R^c where R^c is naphthyl, or by -CO-NH-C₁-C₈-alkyl optionally substituted by di(C₁-C₈-alkyl)amino, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is -CH(CH₃)-CO-NH-C₁-C₈-alkyl or -CH(CH₃)-CO-O-C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by -CH(OH)-CH₂-OH, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by C₁-C₈-alkoxy, or by -S-C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by a 5- or 6-membered heterocyclic ring having three or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₈-alkyl, -C₁-C₈-alkyl-di(C₁-C₈-alkyl)amino, or by C₃-C₈-cycloalkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by oxazolyl substituted by C₃-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by imidazolyl substituted by C₁-C₈-alkyl optionally substituted by hydroxy or C₁-C₈-alkoxy, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₈-alkyl substituted by -CO-Het where Het is a 5- or 6-membered heterocyclic ring having two or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is an aza-bicyclo[3.2.1]oct-3-yl ring optionally substituted by C₁-C₈-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an azetidine ring substituted by C₁-C₈-alkoxycarbonyl or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form a pyrrolidine ring substituted by -CO-NH₂ or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an imidazo-pyridine ring, R³ is R⁶, and R⁴ is R⁷;

R² is C₁-C₄-alkyl or halogen;

R⁵ is hydrogen;

R⁶ is halo or -SO₂-CH₃; and

R⁷ is hydrogen, halo, -SO₂-CH₃, nitrile, C₁-C₈-haloalkyl or imidazolyl.

3. A compound according to claim 1 or 2, wherein

R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by pyridyl, R³ is R⁶, and R⁴ is fluoro or C₁-C₄-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by hydroxy or nitrile, R³ is R⁶, and R⁴ is hydrogen or C₁-C₄-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by nitrile, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by hydroxy, R³ is fluoro, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by di(C₁-C₄-alkyl)amino, R³ is R⁶, and R⁴ is C₁-C₄-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by -O-C₁-C₄-alkyl-OH, R³ is R⁶, and R⁴ is fluoro or C₁-C₄-haloalkyl,

or R^a is hydrogen, R^b is -CH(CH₃)-CH₂-OH, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by pyrrolidinyl substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is C₁-C₄-haloalkyl,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by oxazolyl substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is nitrile or imidazolyl,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by imidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by benzoimidazolyl, R³ is R⁶, and R⁴ is fluoro,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by isoxazolyl substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by pyrrolyl substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by pyrazolyl substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by -CO-O-CH₃, -CO-O-butyl, -CO-di(C₁-C₄-alkyl)amino, -CO-NH₂, -NH-CO-C₁-C₄-alkyl, -SO₂-C₁-C₄-alkyl, -CO-NH-R^c where R^c is naphthyl, or by -CO-NH-C₁-C₄-alkyl optionally substituted by di(C₁-C₄-alkyl)amino, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is -CH(CH₃)-CO-NH-C₁-C₄-alkyl or -CH(CH₃)-CO-O-C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by -CH(OH)-CH₂-OH, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by C₁-C₈-alkoxy, or by -S-C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by a 5- or 6-membered heterocyclic ring having three or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₈-alkyl, -C₁-C₈-alkyl-di(C₁-C₄-alkyl)-amino, or by C₃-C₅-cycloalkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by oxazolyl substituted by C₃-C₅-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by imidazolyl substituted by C₁-C₄-alkyl optionally substituted by hydroxy or C₁-C₄-alkoxy, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is C₁-C₄-alkyl substituted by -CO-Het where Het is a 5- or 6-membered heterocyclic ring having two or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being optionally substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, that ring being substituted by oxo, R³ is R⁶, and R⁴ is R⁷,

or R^a is hydrogen, R^b is an aza-bicyclo[3.2.1]oct-3-yl ring optionally substituted by C₁-C₄-alkyl, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an azetidine ring substituted by C₁-C₄-alkoxycarbonyl or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form a pyrrolidine ring substituted by -CO-NH₂ or nitrile, R³ is R⁶, and R⁴ is R⁷,

or R^a and R^b together form an imidazo-pyridine ring, R³ is R⁶, and R⁴ is R⁷;

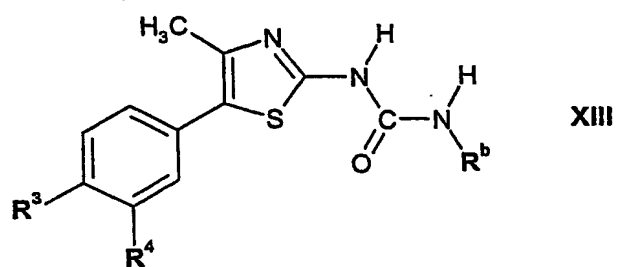
R² is C₁-C₄-alkyl or halogen;

R⁵ is hydrogen;

R⁶ is halo or -SO₂-CH₃; and

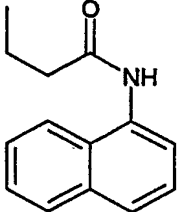
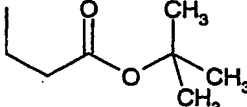
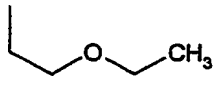
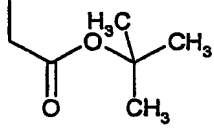
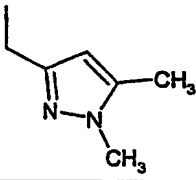
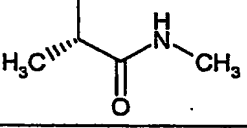
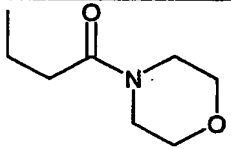
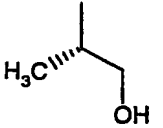
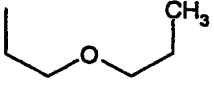
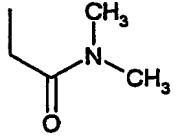
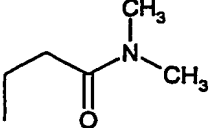
R⁷ is hydrogen, halo, -SO₂-CH₃, nitrile, C₁-C₄-haloalkyl or imidazolyl.

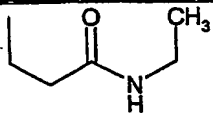
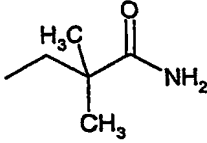
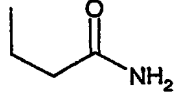
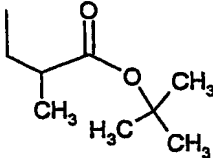
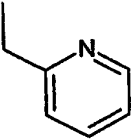
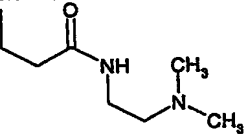
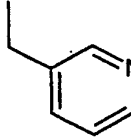
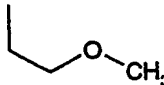
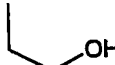
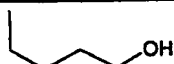
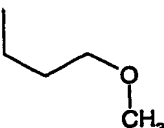
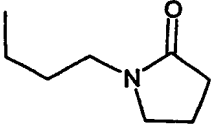
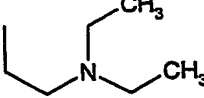
4. A compound of formula I that is also a compound of formula XIII



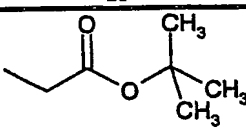
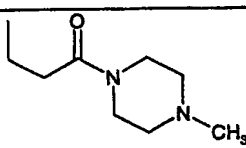
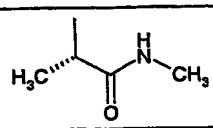
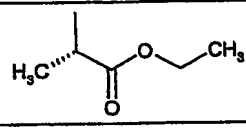
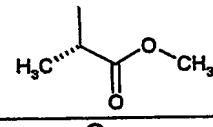
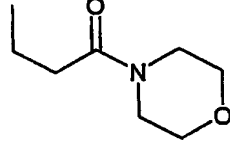
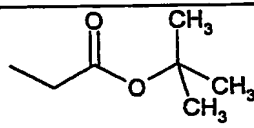
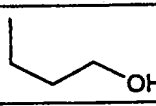
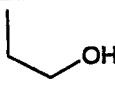

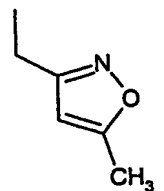
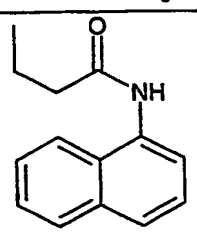
where R^3 , R^4 and R^b are as shown in the following table:

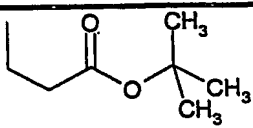
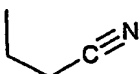
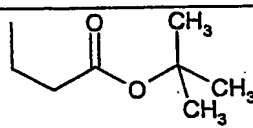
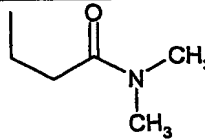
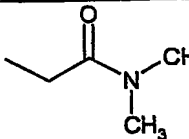
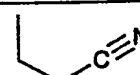
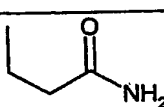
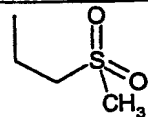
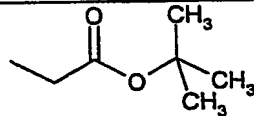
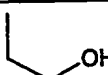
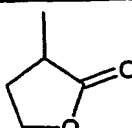
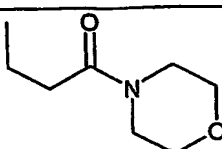
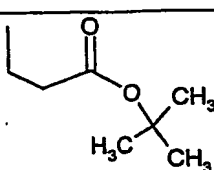
R^3	R^4	R^b
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	
$-\text{SO}_2\text{CH}_3$	F	

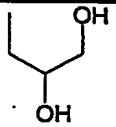
R ³	R ⁴	R ^b
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	

R ³	R ⁴	R ^b
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	F	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	

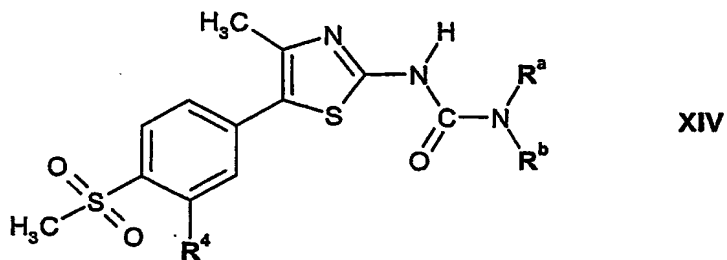
R ³	R ⁴	R ^b
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	

R ³	R ⁴	R ^b
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	-CF ₃	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	

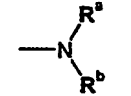
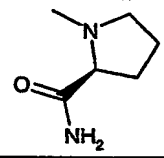
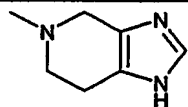
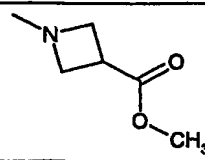
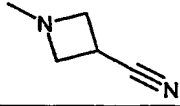
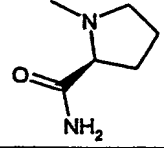
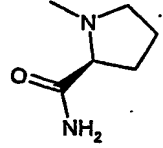
R ³	R ⁴	R ^b
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	H	
-SO ₂ CH ₃	CN	
-SO ₂ CH ₃	CN	
-SO ₂ CH ₃	CN	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
F	-SO ₂ CH ₃	
-SO ₂ CH ₃	Cl	

R ³	R ⁴	R ^b
-SO ₂ CH ₃	F	

5. A compound of formula I that is also a compound of formula XIV

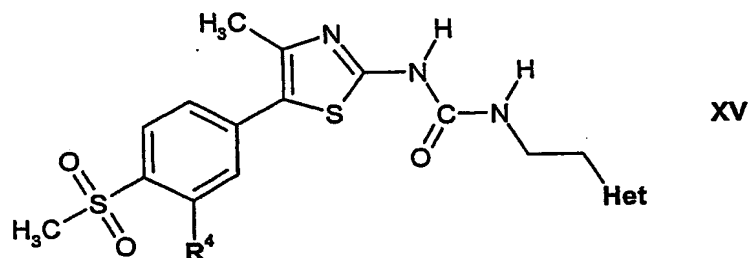


where R⁴ and -NR^aR^b are as shown in the following table:

R ⁴	-NR ^a R ^b
	
F	
F	
F	
F	
H	
-CF ₃	

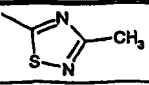
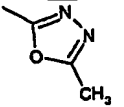
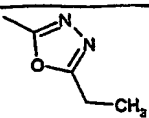
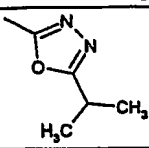
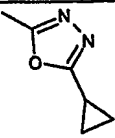
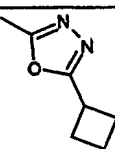
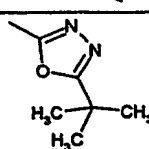

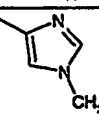
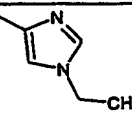
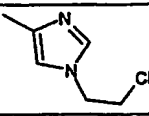
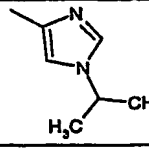
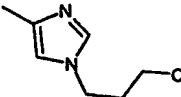
R^4	
$-CF_3$	

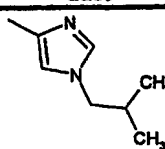
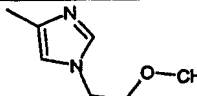
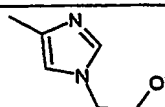
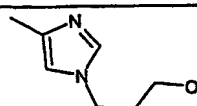
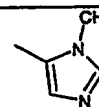
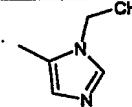
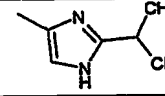
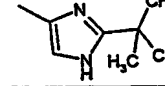
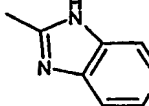

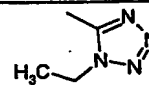
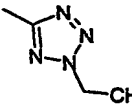
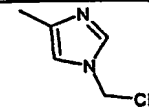
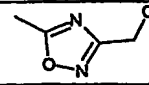
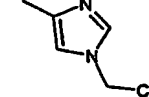
6. A compound of formula I that is also a compound of formula XV

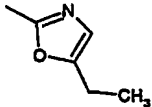
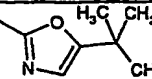

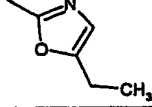

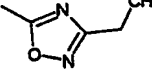

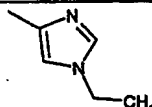
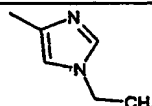
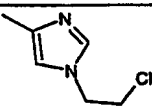


where R^4 and $-Het$ are as shown in the following table:

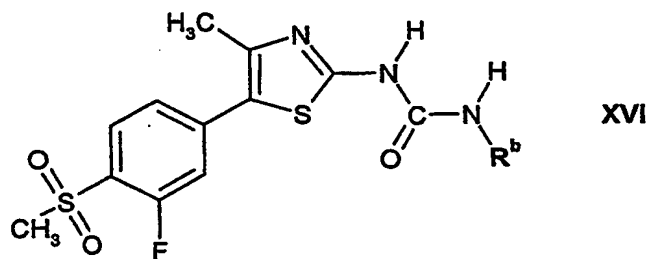
R^4	$-Het$
F	
F	
F	
F	
F	
F	
F	
F	

R ⁴	-Het
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	

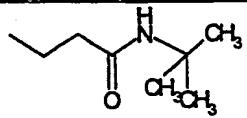
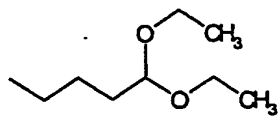
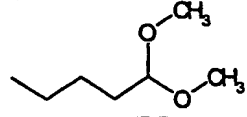
R ⁴	-Het
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
F	
-CF ₃	
Cl	
Cl	

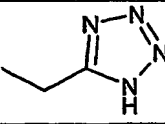
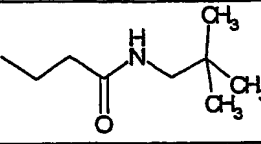
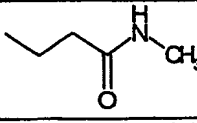
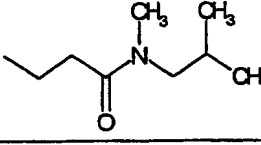
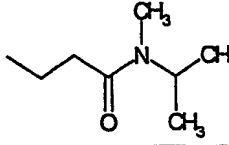
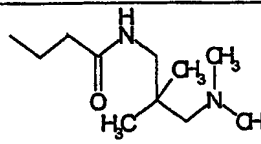
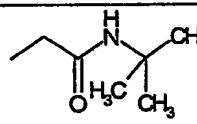
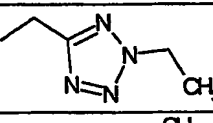
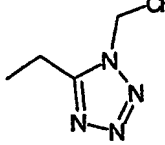
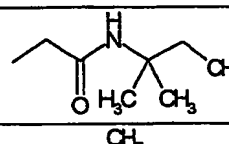
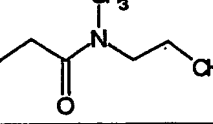
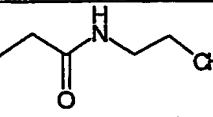
R ⁴	-Het
-CN	
-CN	
	
	
	
-CN	
H	

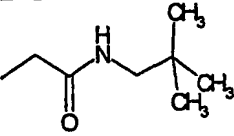
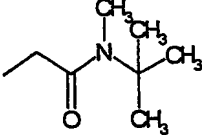
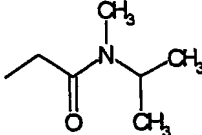
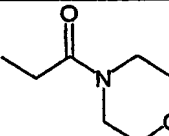
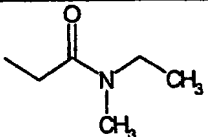
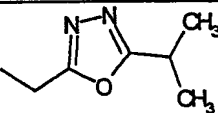
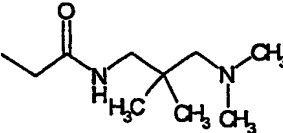
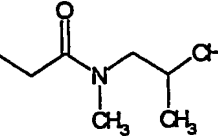
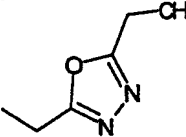
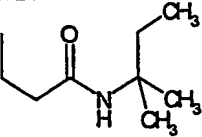
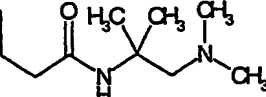
7. A compound of formula I that is also a compound of formula XVI

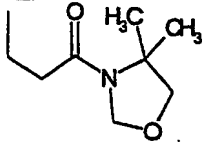
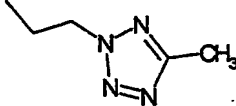
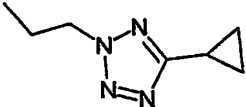
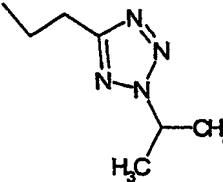
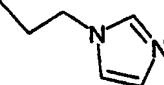
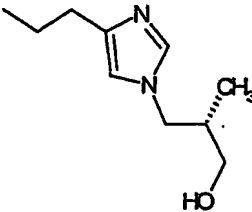
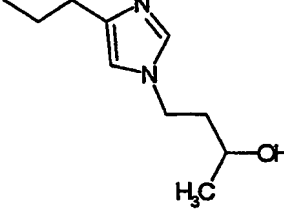
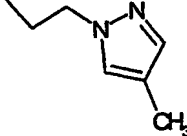


where R^b is as shown in the following table:

R ^b




R ^b













R ^b
 <chem>CCC(=O)NCC(C)(C)C</chem>
 <chem>CCC(=O)NCC(C)(C)C(C)C</chem>
 <chem>CCC(=O)NCC(C)C(C)C</chem>
 <chem>CCC(=O)NCCOC</chem>
 <chem>CCC(=O)N(C)CC</chem>
 <chem>CC1=CN=CN(C1)C(C)(C)C</chem>
 <chem>CCC(=O)NCC(C)(C)C(C)C(C)C</chem>
 <chem>CCC(=O)NCC(C)C(C)C</chem>
 <chem>CCOC1=CN=CN1</chem>
 <chem>CCC(=O)NCC(C)(C)C(C)C(C)C</chem>
 <chem>CCC(=O)NCC(C)(C)C(C)C(C)C</chem>

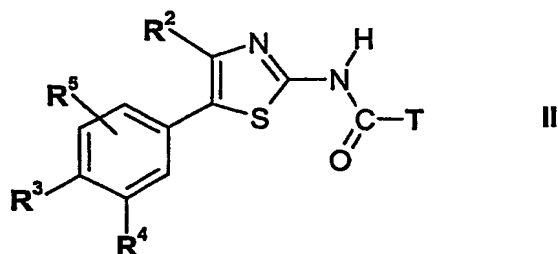
R ^b









8. A compound according to any one of claims 1 to 7 in combination with an anti-inflammatory, bronchodilatory, antihistamine or anti-tussive drug substance.

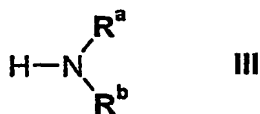
9. A compound according to any one of claims 1 to 7 for use as a pharmaceutical.

10. A pharmaceutical composition comprising a compound according to any one of claims 1 to 7.
11. The use of a compound according to any one of claims 1 to 7 in the manufacture of a medicament for the treatment of a disease mediated by phosphatidylinositol 3-kinase.
12. The use of a compound according to any one of claims 1 to 7 in the manufacture of a medicament for the treatment of respiratory diseases, allergies, rheumatoid arthritis, osteoarthritis, rheumatic disorders, psoriasis, ulcerative colitis, Crohn's disease, septic shock, proliferative disorders such as cancer, atherosclerosis, allograft rejection following transplantation, diabetes, stroke, obesity or restenosis.
13. A process for the preparation of a compound of formula I as defined in claim 1, in free or salt form which comprises the steps of:

- (i) (A) reacting a compound of formula II

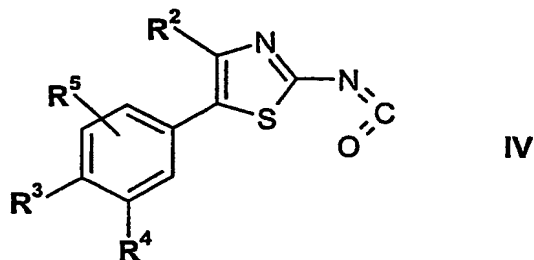


wherein R^2 , R^3 , R^4 and R^5 are as claimed in claim 1 and T is a 5- or 6-membered heterocyclic ring having one or more ring hetero atoms selected from the group consisting of oxygen, nitrogen and sulphur, with a compound of formula III



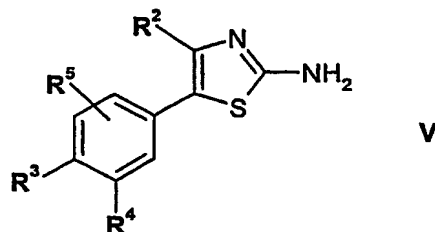
wherein R^a and R^b are as claimed in claim 1;

- (B) reacting compounds of formula IV



wherein R^2 , R^3 , R^4 and R^5 are as claimed in claim 1 with a compound of formula III wherein R^a and R^b are as claimed in claim 1;

(C) for the preparation of compounds of formula I where R^a is hydrogen and R^2 , R^3 , R^4 , R^5 and R^b are as claimed in claim 1, reacting a compound of formula V

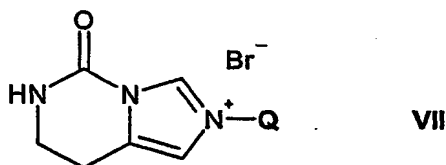


wherein R^2 , R^3 , R^4 and R^5 are as claimed in claim 1, with a compound of formula VI



wherein R^b is as claimed in claim 1; or

(D) for the preparation of compounds of formula I where R^a is hydrogen, R^b is C_1 - C_8 -alkyl substituted by imidazolyl substituted by C_1 - C_8 -alkyl optionally substituted by hydroxy or C_1 - C_8 -alkoxy and R^2 , R^3 , R^4 and R^5 are as claimed in claim 1, reacting a compound of formula V where R^2 , R^3 , R^4 and R^5 are as claimed in claim 1, with a compound of formula VII



where Q is C_1 - C_8 -alkyl optionally substituted by hydroxy or C_1 - C_8 -alkoxy; and

(ii) recovering the resultant compound of formula I in free or salt form.